Index of Claims

| Application/Contr | ol No. |
|-------------------|--------|
|-------------------|--------|

10/638,391

Examiner

Dung Nguyen

Applicant(s)/Patent under Reexamination

MURAI, ATSUHITO
Art Unit

2871

| <b>√</b> | Rejected |
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| H        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | interference |

| A | Appeal   |
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| 0 | Objected |

| Cla                    | a <u>im</u> | Date     |          |          |          |          |          | Claim    |          |          |        | Date     |          |                     |          |          | CI            | aim                  | im D     |  |      |       |            |              | Date                |          |          |          |          |          |          |          |
|------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|----------|----------|---------------------|----------|----------|---------------|----------------------|----------|--|------|-------|------------|--------------|---------------------|----------|----------|----------|----------|----------|----------|----------|
| l _                    | ভ           | S.       |          |          |          |          |          |          |          |          |        | l _      | <u> </u> |                     |          |          |               |                      |          |  |      |       | 3          |              |                     | -        |          |          |          |          |          |          |
| Final                  | Original    | 6/24/05  |          |          |          |          | - 1      |          |          |          |        | Final    | Original |                     |          |          |               |                      |          |  |      | Final | Original   |              |                     | - 1      |          |          |          |          |          |          |
| Œ                      | 9           | 129      |          |          | i        |          | İ        | ŀ        |          |          |        | 证        | ō        |                     | li       |          | ŀ             |                      |          |  |      | 证     | Ö          | İ            | H                   |          |          |          |          |          |          |          |
| <u> </u>               |             | _        |          |          | 4        |          | -        | _        | _        | 4        |        |          |          |                     | $\perp$  |          |               | Ш                    |          |  |      |       |            | <u> </u>     | Ш                   |          |          |          | Ш        |          |          |          |
|                        | 1           | V        | Ш        | $\dashv$ | $\dashv$ | -        | $\dashv$ | _        | _        | Н        |        | <u> </u> | 51       | _                   | -        |          | _             | Щ.                   |          | Ш  |      |       | 101        | _            | Ш                   | _        |          |          |          |          |          | _        |
| -                      | 2           | v        | Н        | -        |          | $\dashv$ | -        | -        | -        | $\dashv$ |        |          | 52       |                     |          | _        | ┿             | $\vdash$             | -        | Ш  |      |       | 102        | L            | Ш                   | _        |          |          |          | Щ        |          | _        |
| ⊢                      | 3           | ٧<br>    | Ь        | -+       | +        | +        |          | -        | +        | $\dashv$ |        |          | 53       | -                   | $\dashv$ | +        | +-            | <b>!</b>             | +-       | Н  |      |       | 103        | <u> </u>     | Н                   |          |          | _        |          | $\sqcup$ |          |          |
|                        | 5           | V        | Н        | $\dashv$ | -        | $\dashv$ | $\dashv$ | -+       | $\dashv$ | $\dashv$ |        | <u> </u> | 54<br>55 | Н                   | $\vdash$ | +        | +             | +                    | +        | H  |      |       | 104        | $\vdash$     | $\vdash$            |          |          |          |          | $\dashv$ | -        | $\dashv$ |
|                        | 6           | V        | -        | -+       | -        | +        | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |        | <u> </u> | 56       | Н                   |          |          | +             | $\vdash$             |          |  |      |       | 105        | -            | $\vdash$            | -        |          | Щ        | _        | Н        | $\dashv$ | 4        |
|                        | 7           | V        | Н        | $\dashv$ | +        | $\dashv$ | -        | -        | +        | ┥        |        |          | 57       | -                   |          | +        | +             |                      | +-       | Н  |      |       | 106        | -            | $\vdash$            |          |          | _        |          | $\vdash$ | $\dashv$ |          |
|                        | 8           | v        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | -        |        |          | 58       | Н                   | +        |          | +             | -                    | ┿        | +  |      |       | 107<br>108 | H            | $\vdash$            | $\dashv$ |          | Ш        |          | $\vdash$ | $\dashv$ | ᅴ        |
| <u> </u>               | 9           | ÷        | Н        | $\dashv$ | ┪        | $\dashv$ | ┪        | $\dashv$ | $\dashv$ | 긤        |        |          | 59       | $\vdash$            |          |          | +             | +                    | +-       | H  |      |       | 109        | -            | $\vdash$            | $\dashv$ | _        |          | _        | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$               | 10          | -        | $\vdash$ | -+       | $\dashv$ | $\dashv$ | +        | $\dashv$ | -+       | -        |        |          | 60       | Н                   | -+       | $\dashv$ | +             |                      | +-       | H  |      |       | 110        | $\vdash$     | H                   | $\dashv$ |          |          |          |          | $\dashv$ | $\dashv$ |
| _                      | 11          | -        |          | _        | $\dashv$ | $\dashv$ | 一        | -        | $\dashv$ | ┪        |        |          | 61       | Н                   | $\dashv$ | $\dashv$ | +             |                      | +        | H  |      |       | 111        | $\vdash$     | $\vdash$            | $\dashv$ |          | -        | -        | $\dashv$ | -        | $\dashv$ |
|                        | 12          | V        | H        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |        | $\vdash$ | 62       | Н                   | $\vdash$ | +        | +             | $\vdash \vdash$      | +        | H  | ŀ    |       | 112        | <del> </del> | $\vdash$            | $\dashv$ |          | $\vdash$ | Н        | $\dashv$ | $\dashv$ | ᅱ        |
|                        | 13          | v        | H        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |        | -        | 63       | H                   | $\vdash$ | +        | +             | $\vdash$             | +        | H  |      |       | 113        | ┢─           | $\vdash$            | -        | _        | $\vdash$ | $\vdash$ | $\dashv$ | -+       | $\dashv$ |
|                        | 14          | Ė        | П        | _        | 十        | $\dashv$ | 7        | +        | $\dashv$ | ᅥ        |        |          | 64       | Н                   | -+       | +-       | T             | $\vdash$             | +        | H  |      |       | 114        | $\vdash$     | H                   |          | -        | Н        | Н        | $\dashv$ | $\dashv$ | $\dashv$ |
|                        | 15          |          | П        | $\dashv$ | $\dashv$ |          | $\dashv$ | 7        | $\dashv$ | $\dashv$ |        |          | 65       | П                   | -        | +        |               | $\vdash$             |          | H  | ı    |       | 115        | $\vdash$     | H                   | _        |          | $\vdash$ | H        | $\dashv$ | -        | ᅱ        |
|                        | 16          |          |          |          |          | $\neg$   | $\dashv$ | 寸        | $\dashv$ | $\dashv$ |        |          | 66       | П                   | $\dashv$ | +        |               | $\vdash$             | 1        | П  |      |       | 116        | $\vdash$     | H                   | _        | _        |          | Н        |          | $\dashv$ | ᅱ        |
|                        | 17          |          |          |          | $\dashv$ |          | 寸        | 寸        | 1        | ╗        |        |          | 67       | П                   |          |          | 1             | $\vdash$             | <b>†</b> | $\square$  |      |       | 117        |              | Н                   | 1        | $\neg$   |          |          |          | 十        | ᅥ        |
|                        | 18          |          |          |          | ヿ        | T        |          |          |          |          |        |          | 68       | П                   |          |          |               |                      | $\top$   | П  |      |       | 118        |              | Н                   |          |          |          |          |          | $\dashv$ | $\neg$   |
|                        | 19          |          |          | $\neg$   | ┪        | T        | $\dashv$ |          |          | ╗        |        |          | 69       |                     |          | $\neg$   | $\top$        |                      | 1        | П  |      |       | 119        |              |                     | 一        |          |          |          | $\dashv$ | 寸        | $\neg$   |
|                        | 20          |          |          |          | 丁        | 寸        | 7        |          |          | ╗        |        |          | 70       |                     |          |          | $\top$        |                      | $\dashv$ | П  |      |       | 120        |              |                     | ┪        |          |          |          | $\dashv$ | ヿ        | ᅥ        |
|                        | 21          |          |          |          |          | Т        |          | T        |          |          |        |          | 71       | П                   |          | 丁        | 1             |                      |          | П  |      |       | 121        |              | $\Box$              | $\neg$   |          |          |          |          | 寸        | ᅦ        |
|                        | 22          |          |          |          |          |          | П        |          |          |          |        |          | 72       |                     |          | $\neg$   | $\top$        |                      | $\top$   |  |      |       | 122        |              | $\Box$              |          |          |          |          |          | $\neg$   | $\neg$   |
|                        | 23          |          |          |          |          | T        | T        | T        | $\neg$   |          |        |          | 73       |                     |          |          |               |                      | $\top$   | П  |      |       | 123        |              |                     |          |          |          |          | $\neg$   | $\dashv$ | ᅥ        |
|                        | 24          |          |          |          |          |          |          |          |          |          |        |          | 74       |                     |          |          | 1             |                      | $\top$   |  |      |       | 124        |              |                     |          |          |          |          | $\Box$   | $\neg$   | $\neg$   |
|                        | 25          |          |          |          |          | T        |          |          |          |          |        |          | 75       |                     |          |          |               |                      |          |  |      |       | 125        |              |                     |          |          |          |          |          | $\neg$   | $\neg$   |
|                        | 26          |          |          |          |          | $\Box$   | $\Box$   |          |          |          |        |          | 76       |                     |          |          |               |                      |          |  |      |       | 126        |              | $\Box$              |          |          |          |          |          | $\neg$   | ヿ        |
|                        | 27          |          |          | $\perp$  | $\Box$   | $\perp$  | $\perp$  | $\perp$  |          |          |        |          | 77       |                     |          |          |               |                      |          |  |      |       | 127        |              |                     |          |          |          |          |          | $\Box$   | ヿ        |
|                        | 28          |          |          | $\perp$  |          | $\perp$  | _        | $\perp$  | $\perp$  |          |        |          | 78       |                     |          |          |               |                      |          |  |      |       | 128        |              |                     |          |          |          |          |          | $\neg$   | ٦        |
|                        | 29          |          |          | _        | i        |          |          |          |          | _        |        |          | ·79      |                     |          |          |               |                      |          |  |      |       | 129        |              |                     |          |          |          |          |          | $\Box$   |          |
|                        | 30          |          |          |          | _        | _        |          | _        |          | _        |        |          | 80       |                     |          | 丄        |               |                      |          |  |      |       | 130        |              |                     |          |          |          |          |          |          |          |
|                        | 31          |          | $\dashv$ |          | _        |          | _        | _        | _        | _        |        |          | 81       | Ш                   | $\perp$  |          | $\perp$       |                      |          | Ш  |      |       | 131        |              |                     |          |          |          |          |          |          |          |
|                        | 32          |          | _        | _        | 4        | $\perp$  | 4        | _        |          | _        |        |          | 82       | Ш                   |          |          | Ш             |                      |          | Ш  |      |       | 132        |              |                     |          |          |          |          |          | $\Box$   |          |
| $\vdash$               | 33          |          |          | _        | _        | 4        | _        | 4        | 4        | _        |        |          | 83       | Щ                   | _ .      | $\perp$  | Ш             | $\perp \!\!\! \perp$ | 1_       | Ш  |      | ]     | 133        |              | Ц                   |          | . ]      |          |          |          | $\Box$   |          |
| $\vdash$               | 34          |          | 4        | +        | $\dashv$ |          | 4        |          | -        | 4        |        |          | 84       | Щ                   |          | $\bot$   | Ш             | _ _                  |          | Щ  | 1    |       | 134        |              | Ц                   |          |          |          |          | $\Box$   | $\dashv$ | Ц        |
| _                      | 35          | $\Box$   | -        | +        | $\dashv$ | $\dashv$ | $\dashv$ | -        | +        | 4        |        |          | 85       | $\sqcup \downarrow$ | $\dashv$ | 4        | Ш             | $\dashv$             | 4        | Щ  |      |       | 135        | Щ            | $\sqcup \downarrow$ | _        | _        |          |          |          |          | _        |
|                        | 36          |          |          | +        | -+       | +        | $\dashv$ | 4        | 4        | _        |        |          | 86       | $\vdash \downarrow$ | $\perp$  |          | $\sqcup$      | $\perp$              | $\bot$   | Щ  |      |       | 136        |              |                     | _        |          | ļ        |          | _        |          | _        |
|                        | 37          | $\vdash$ |          | $\dashv$ | -        | $\dashv$ | 4        | $\dashv$ | +        | 4        |        |          | 87       | $\sqcup$            | 4        | 4        | +             | $\perp$              | 4        | Щ  | 1    |       | 137        |              | $\sqcup$            | _ļ       |          |          |          | _        |          |          |
| <u> </u>               | 38          | $\vdash$ |          | +        | +        | +        | +        | $\dashv$ | +        | -[       |        |          | 88       | $\vdash \dashv$     | $\dashv$ | 4        | $\dashv$      | $\perp$              | +        | Щ  | 1    |       | 138        |              | $\sqcup$            | _        | _        |          |          | _        | _        | _        |
|                        | 39<br>40    | $\vdash$ |          | $\dashv$ | +        | -+       | $\dashv$ | -1       | +        | -        |        |          | 89       | $\dashv$            | -+       |          | +             | $\dashv$             | -        | $\vdash$   | ⊪    |       | 139        | Ш            | $\dashv$            |          | _        | _        | _        |          | 4        | _        |
|                        |             |          |          | +        | +        | $\dashv$ | +        | $\dashv$ | -+-      |          |        |          | 90       | Н                   | -        | +        | +             | +                    | -        | H  | -    |       | 140        | Щ            | 4                   | 4        | _        | _        | _        | _        | _        | 4        |
| $\vdash \dashv$        | 41<br>42    | -        | $\dashv$ | $\dashv$ | +        | $\dashv$ | +        | +        | -+       |          |        |          | 91       | $\vdash$            | +        | +        | +             | -                    | -        | H  | -    |       | 141        | Н            | $\dashv$            | -        | _        | _        |          | -4       | 4        | _        |
| $\vdash \vdash \vdash$ | 42          | -        | -        |          | +        | -+       | +        | $\dashv$ | +        | $\dashv$ |        |          | 92<br>93 | $\vdash$            | +        | +        | +             | +                    | +        | H  | ⊪    |       | 142        |              | $\dashv$            |          | $\dashv$ |          | _        | $\dashv$ | -        | 긕        |
| $\vdash\vdash\vdash$   | 44          |          |          | $\dashv$ | +        | +        | $\dashv$ | $\dashv$ | +        | -        |        |          | 94       | $\vdash$            | +        | +        | +             | +                    |          | $\vdash$   | ⊪    |       | 143        |              | $\dashv$            | $\dashv$ | -        |          | $\dashv$ |          | 4        | _        |
| $\vdash \dashv$        | 45          | -        | $\dashv$ | +        | +        | +        | +        | $\dashv$ | +        | $\dashv$ |        |          | 95       | ⊣                   | +        | +        | <del>  </del> | +                    | +        | H::  | ⊪    |       | 144        | $\dashv$     | -                   | $\dashv$ | $\dashv$ | _        |          |          |          | $\dashv$ |
| $\vdash \dashv$        | 46          |          | $\dashv$ | +        | +        | -+       | +        | +        | +        | $\dashv$ |        |          | 96       | $\vdash$            | +        | +        | ╂╾╂           | +                    | +        | H  | ╟    |       | 145<br>146 | -            | +                   | $\dashv$ | $\dashv$ |          | ┥        |          | $\dashv$ | $\dashv$ |
| $\vdash \dashv$        | 47          | -        | $\dashv$ | $\dashv$ | +        | +        | +        | +        | -        | $\dashv$ |        | $\dashv$ | 97       | $\vdash$            | +        | +        | +             | $\dashv$             | +        | $\vdash$   | ⊪    |       | 147        |              | $\dashv$            | $\dashv$ | $\dashv$ |          | $\dashv$ |          | $\dashv$ | $\dashv$ |
| $\vdash \vdash$        | 48          | $\dashv$ | $\dashv$ | +        | +        | $\dashv$ | +        | $\dashv$ | +        | $\dashv$ |        |          | 98       |                     | +        | +        | ┼┤            | +                    | +        | <del>                                     </del> | ⊪    | -+    | 147        |              | $\dashv$            | $\dashv$ | -        | $\dashv$ | $\dashv$ | -+       | $\dashv$ | $\dashv$ |
| $\vdash$               | 49          |          | -        | +        | +        | $\dashv$ | +        | +        | $\dashv$ | $\dashv$ |        |          | 99       | +                   | +        | +        | ++            | -                    | +        | :: <br>  ::                                      | ŀ    |       | 149        |              | $\dashv$            | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | +        | $\dashv$ |
|                        | 50          | $\dashv$ | -+       | +        | +        | $\dashv$ | +        | +        | +        | $\dashv$ |        | -        | 100      | +                   | +        | +        | ╂╌┥           | $\dashv$             | +        | H  | ŀ    |       | 150        | $\dashv$     | $\dashv$            | $\dashv$ | -        |          | $\dashv$ | $\dashv$ | +        | $\dashv$ |
|                        |             |          |          |          |          |          | 1_       |          |          |          | ·····[ |          |          |                     |          | - 1      |               |                      |          | L 1:::   | .::[ |       | 100        | ,            |                     | - 1      |          | - 1      | - 1      | 1        | - 1      | - 1      |